

In re Patent Application of:

**MARINET**

Serial No. 09/805,265

Filing Date: March 13, 2001

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In the Specification:

Please replace the paragraph beginning at page 1, line 8, with the following rewritten paragraph:

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Pseudo-random number generators are well known in the field of cryptography for encrypting and deciphering messages so as to make encrypted messages difficult, if not impossible, to read for anyone who does not possess the encryption/deciphering key. Such generators are for instance described in European patent application EP 878,907 and PCT patent applications WO 97/11423 and WO 97/43709.

Please replace the paragraph beginning at page 1, line 16, with the following rewritten paragraph:

B<sup>2</sup>  
In European patent application EP 878,907, the generator basically includes a first oscillator which supplies a sawtooth wave signal at a first frequency, and a second oscillator which generates a pulse train whose frequency is modulated by the sawtooth signal of the first oscillator.

Please replace the paragraph beginning at page 2, line 11, with the following rewritten paragraph:

B<sup>3</sup>  
~~The invention thus proposes~~ An object of the present invention is to provide a pseudo-random number generator, characterized in that it comprises a first generator for producing a sawtooth waveform signal having a first frequency  $F_1$ , a second generator for producing a pulse signal having a second frequency  $F_2$ , and a sampling circuit for sampling the

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sawtooth waveform signal by the pulse signal to supply a sample signal. The pseudo-random number generator further includes a coding circuit for coding the amplitude of the sample signal to supply binary values in series or in parallel.

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